

# Proximity Sensors Inductive Long Body, Stainless Steel Types IA, M8



- Miniature stainless steel housing (cable or M8/M12 plug)
- Long body
- Sensing distance: 1,5 mm or 2,5 mm
- Power supply: 10 to 30 VDC
- Output: Transistor NPN/PNP, make or break switching
- Protection: Short-circuit
- LED-indication for output ON
- 2 m PVC cable, M8 or M12 plug



## Product Description

Inductive proximity sensor with long body. Output configuration for NPN/PNP with both NO and NC types as standard. M8 stainless steel housing with 2 m PVC cable or M8/M12 plug.

## Ordering Key **IA 08 BLF 15 NO M5**

Type: Ind. prox. switch  
Housing style \_\_\_\_\_  
Housing size \_\_\_\_\_  
Housing material \_\_\_\_\_  
Housing length \_\_\_\_\_  
Detection principle \_\_\_\_\_  
Sensing distance \_\_\_\_\_  
Output type \_\_\_\_\_  
Output configuration \_\_\_\_\_  
Connection \_\_\_\_\_

## Type Selection

Rated operating dist. (S <sub>n</sub> )	Conn. type	Ordering no. Transistor NPN Normally open	Ordering no. Transistor NPN Normally closed	Ordering no. Transistor PNP Normally open	Ordering no. Transistor PNP Normally closed
1.5 mm <sup>1)</sup>	Cable	<b>IA 08 BLF 15 NO</b>	<b>IA 08 BLF 15 NC</b>	<b>IA 08 BLF 15 PO</b>	<b>IA 08 BLF 15 PC</b>
1.5 mm <sup>1)</sup>	Plug M8	<b>IA 08 BLF 15 NO M5</b>	<b>IA 08 BLF 15 NC M5</b>	<b>IA 08 BLF 15 PO M5</b>	<b>IA 08 BLF 15 PC M5</b>
2.5 mm	Cable	<b>IA 08 BLN 25 NO</b>	<b>IA 08 BLN 25 NC</b>	<b>IA 08 BLN 25 PO</b>	<b>IA 08 BLN 25 PC</b>
2.5 mm	Plug M8	<b>IA 08 BLN 25 NO M5</b>	<b>IA 08 BLN 25 NC M5</b>	<b>IA 08 BLN 25 PO M5</b>	<b>IA 08 BLN 25 PC M5</b>
1.5 mm <sup>1)</sup>	Plug M12	<b>IA 08 BLF 15 NO M1</b>	<b>IA 08 BLF 15 NC M1</b>	<b>IA 08 BLF 15 PO M1</b>	<b>IA 08 BLF 15 PC M1</b>
2.5 mm	Plug M12	<b>IA 08 BLN 25 NO M1</b>	<b>IA 08 BLN 25 NC M1</b>	<b>IA 08 BLN 25 PO M1</b>	<b>IA 08 BLN 25 PC M1</b>

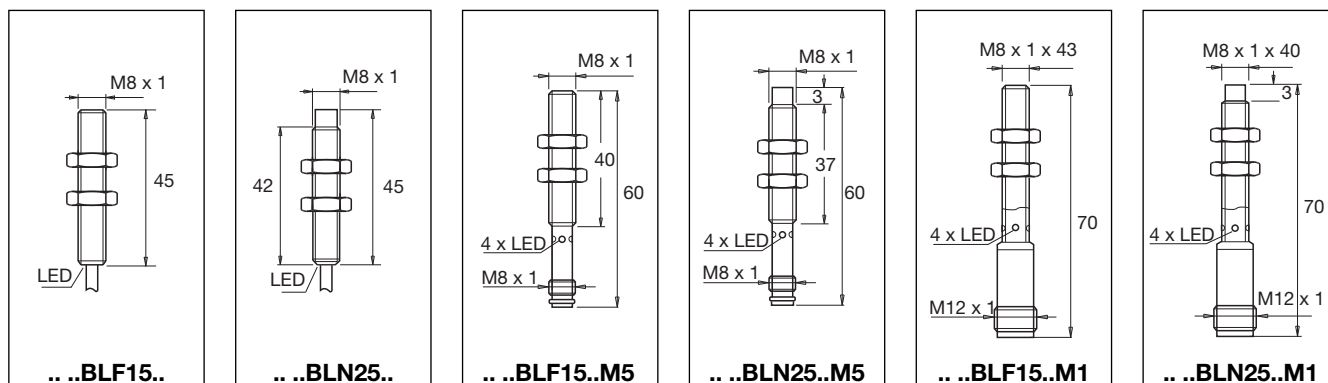
<sup>1)</sup> For flush mounting in metal

## Specifications

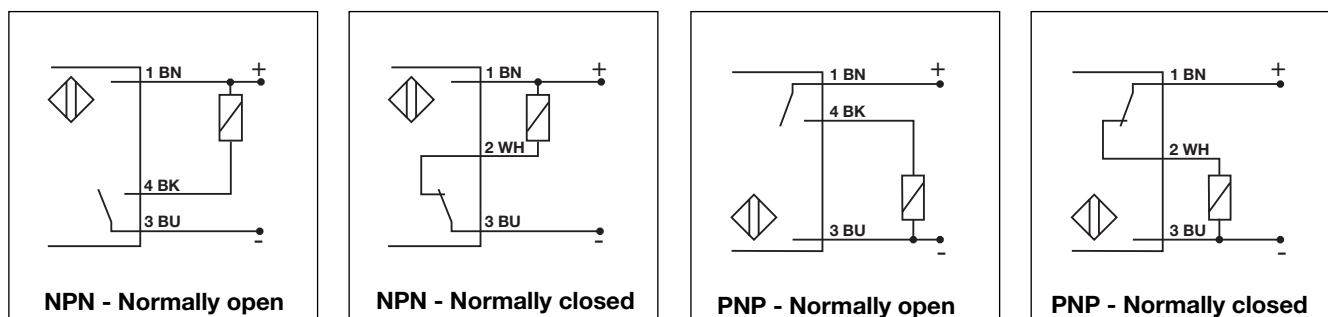
<b>Rated operational volt. (U<sub>B</sub>)</b>	10 to 30 VDC (ripple included)	<b>Ambient temperature</b>	
<b>Ripple</b>	≤ 10%	Operating	-25° to +70°C (-13° to +158°F)
<b>Rated operational current (I<sub>o</sub>)</b>		Storage	-30° to +75°C (-22° to +167°F)
Continuous	≤ 200 mA @ + 25°C (+75°F)	<b>Degree of protection</b>	IP 67 (Nema 1, 3, 4, 6, 13)
<b>No-load supply current (I<sub>o</sub>)</b>	≤ 10 mA (ON)	<b>Housing material</b>	Stainless steel, AISI 303
<b>Voltage drop (U<sub>d</sub>)</b>	< 2,5 V (@ I <sub>max</sub> )	<b>CE-marking</b>	Yes
<b>Protection</b>	Short circuit	<b>Connection</b>	
<b>Frequency of operating cycles (f)</b>	2000 Hz	IA08BL. .0 ../..M5	Cable, 2 m, PVC, AWG 26, oil proof
<b>Indication for output ON</b>	LED, yellow	IA08BL. .0 ..M1	Plug M8, CONH5A-xxx serie
<b>Repeat Accuracy</b>	≤ 5%	<b>Weight (cables/nuts included)</b>	Plug M12, CONH1A-xxx serie
<b>Effective operating dist. (S<sub>r</sub>)</b>	0.9 x S <sub>n</sub> ≤ S <sub>r</sub> ≤ 1.1 x S <sub>n</sub>	Al...	36 g
<b>Usable operating dist. (S<sub>u</sub>)</b>	0.85 x S <sub>r</sub> ≤ S <sub>u</sub> ≤ 1.15 x S <sub>r</sub>	Al...M1/M5	11 g



## Dimensions



## Wiring Diagrams



## Installation Hints

